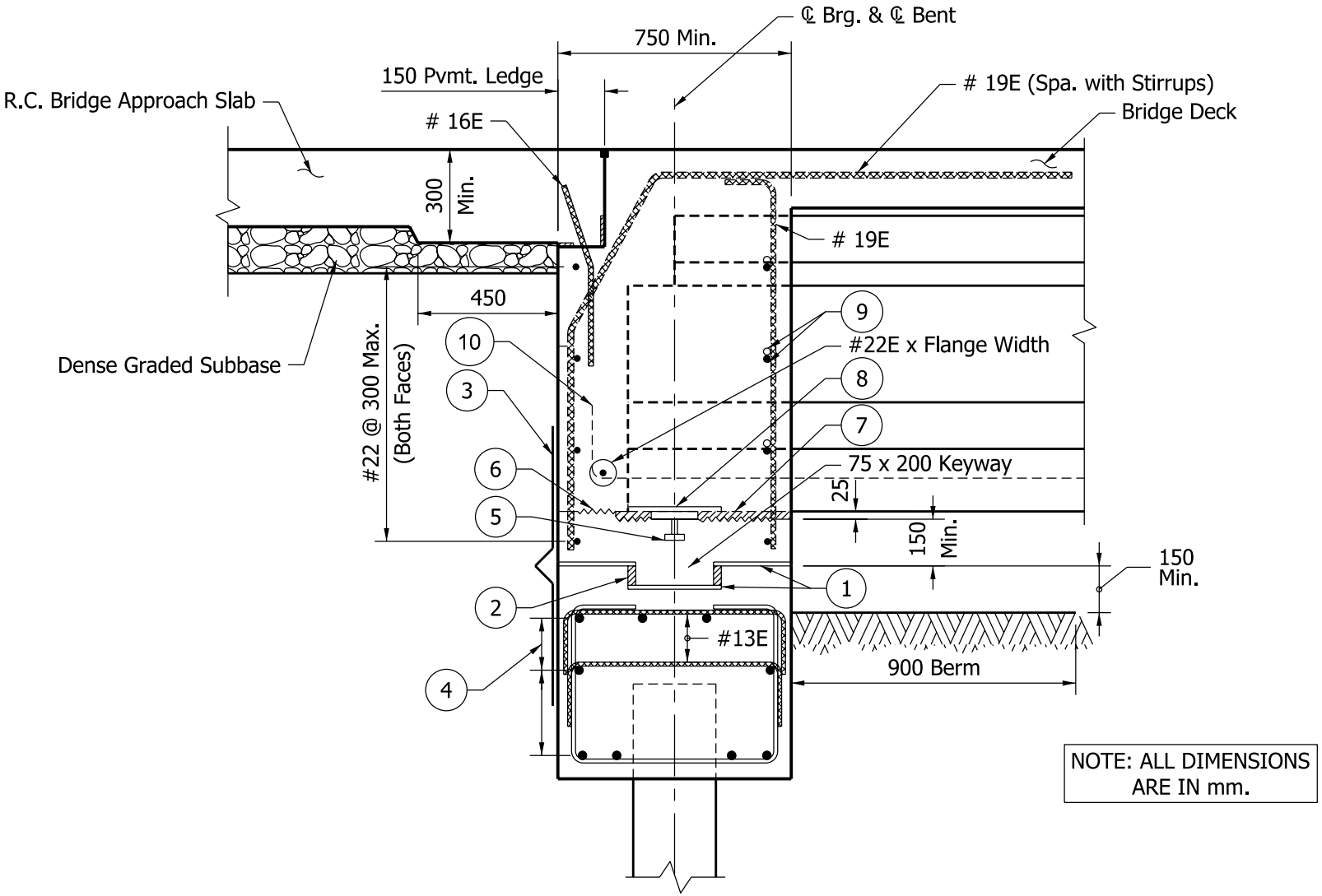
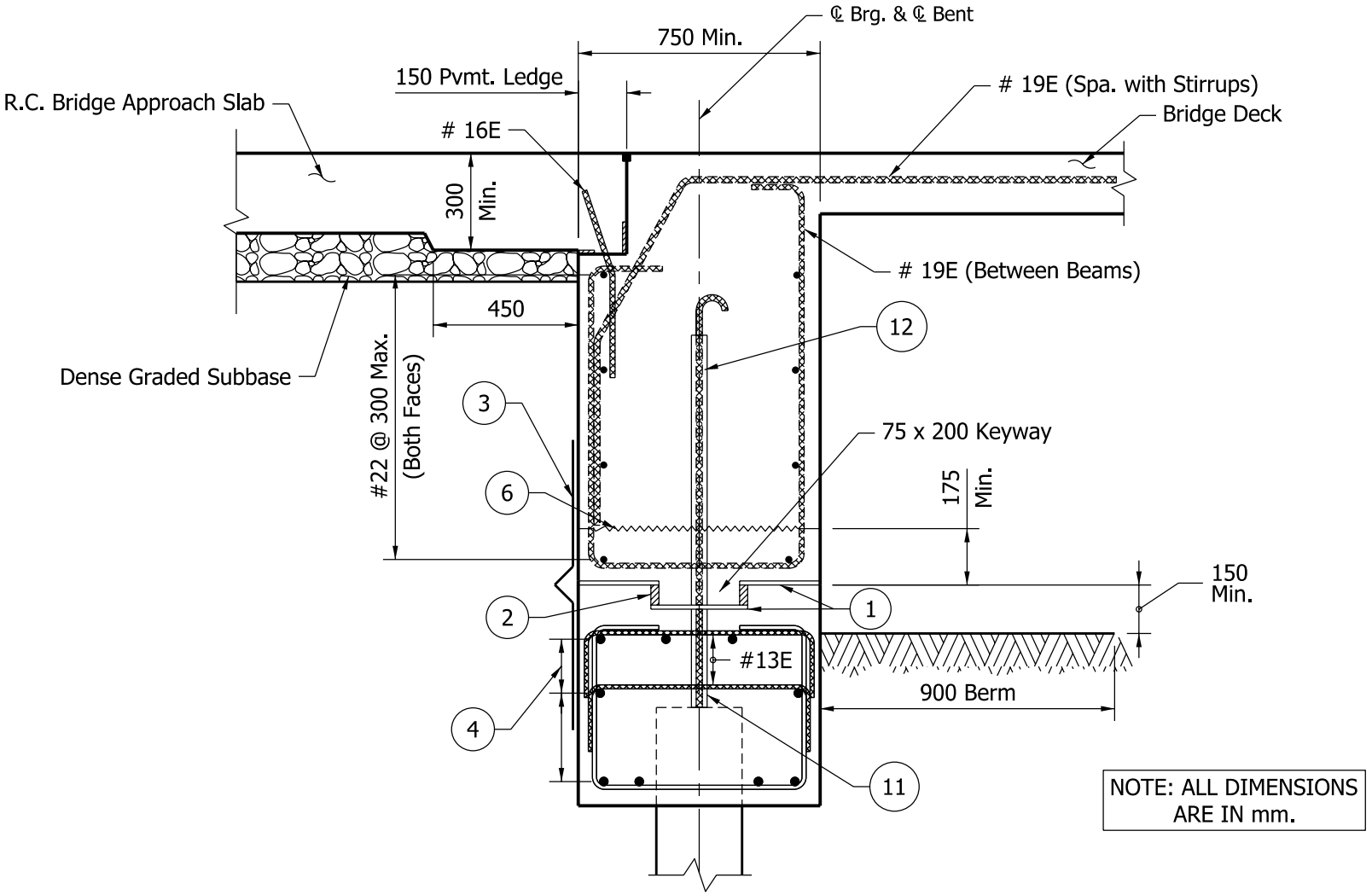


SECTION AT BEAM

SUGGESTED SEMI-INTEGRAL END BENT DETAILS
(Method 1)

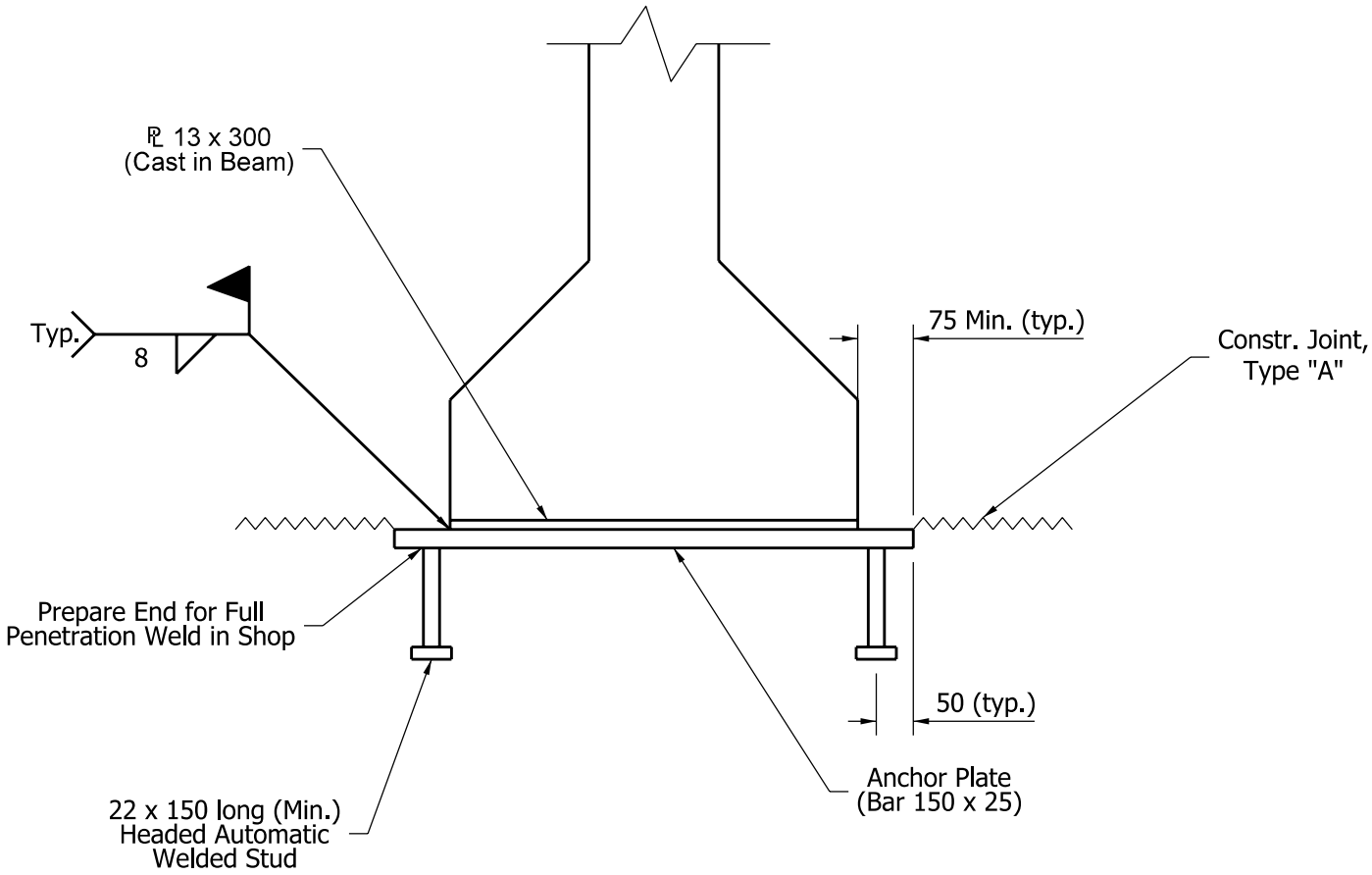
Figure 67-1 C (1)
(Page 1 of 4)



SECTION BETWEEN BEAMS

SUGGESTED SEMI-INTEGRAL END BENT DETAILS
(Method 1)

Figure 67-1 C (1)
(Page 2 of 4)



ANCHOR PLATE DETAIL

NOTE: ALL DIMENSIONS ARE IN mm.

SUGGESTED SEMI-INTEGRAL END BENT DETAILS
(Method 1)

Figure 67-1 C (1)
(Page 3 of 4)

(1) 3 Layers of medium weight roofing felt with grease between layers over 3mm high-density plastic bearing strip with smooth side up.

(2) Expanded polystyrene, Size to be determined by designer.

(3) Polychoroprene joint membrane attached to concrete, See Figure 67-1C (3)

(4) Main cap reinf. Reinforce for dead and live loads. Stirrups size determined by designer, spa. @ 300 min.

(5) Anchor plate, see Detail.

(6) Construction joint type A.

(7) 25mm thickness expanded polystyrene, to be extended to 13mm outside limits of beam, so that beam does not come in contact with construction-jointed concrete.

(8) Plate 13 x 300, full width of beam, cast in beam.

(9) #19 x 1800 through 25 Ø holes cast in beams, lapped with #22E between beams.

(10) Prestressed strand extension.

(11) ✳ #19 reinforcing bar set in 300 depth field-drilled hole filled with epoxy grout, min. pullout 118 kN.

(12) ✳ PVC sleeve, size determined by designer. Top of sleeve to be sealed before concrete is poured.

✳ Used only if uplift is expected, or if bridge is in Seismic Zone 2.

Note: All Dimensions in Millimeters.

SUGGESTED SEMI-INTEGRAL END BENT DETAILS
(Method 1)

Figure 67-1 C (1)
(Page 4 of 4)